



U.S. ENVIRONMENTAL PROTECTION AGENCY

Office of Pesticide Programs  
Antimicrobials Division (7510P)  
1200 Pennsylvania Ave., N.W.  
Washington, D.C. 20460

EPA Reg. Number:

1258-1411

Date of Issuance:

3/18/2020

NOTICE OF PESTICIDE:

☒ Registration  
☐ Reregistration  
(under FIFRA, as amended)

Term of Issuance:

Conditional

Name of Pesticide Product:

IWC 5300-50 Anionic Compatible  
Microbiocide

Name and Address of Registrant (include ZIP Code):

Stephany Stephens  
Arch Chemicals, Inc.  
1200 Bluegrass Lakes Parkway  
Alpharetta, GA 30004

**Note:** Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Antimicrobials Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA section 3(c)(7)(A). You must comply with the following conditions:

1. Submit and/or cite all data required for registration/reregistration/registration review of your product under FIFRA when the Agency requires all registrants of similar products to submit such data.

Signature of Approving Official:

Eric Miederhoff  
Product Manager 31  
Regulatory Management Branch I  
Antimicrobials Division (7510P)  
Office of Pesticide Programs

Date:

3/18/2020

2. You are required to comply with the data requirements described in the DCI or EDSP Order identified below:

- a. DDCC GDCI-069166-30875, GDCI-069166-1737

You must comply with all of the data requirements within the established deadlines. If you have questions about the Generic DCI listed above, you may contact the Reevaluation Team Leader (Team 36): <http://www2.epa.gov/pesticide-contacts/contacts-office-pesticide-programs-antimicrobial-division>

3. Make the following label changes before you release the product for shipment:
  - Revise the EPA Registration Number to read, “EPA Reg. No. 1258-1411.”
4. Submit one copy of the final printed label for the record before you release the product for shipment.

Should you wish to add/retain a reference to the company’s website on your label, then please be aware that the website becomes labeling under the Federal Insecticide Fungicide and Rodenticide Act and is subject to review by the Agency. If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) list examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product’s label, claims made on the website may not substantially differ from those claims approved through the registration process. Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA’s Office of Enforcement and Compliance.

If you fail to satisfy these data requirements, EPA will consider appropriate regulatory action including, among other things, cancellation under FIFRA section 6(e). Your release for shipment of the product constitutes acceptance of these conditions. A stamped copy of the label is enclosed for your records. Please also note that the record for this product currently contains the following CSFs:

Basic CSF dated 03/10/2020

Alternate CSF #s 1-3 dated 03/10/2020

If you have any questions, please contact Emilia Oiguenblik by phone at 703 347 0199, or via email at [Oiguenblik.emilia@epa.gov](mailto:Oiguenblik.emilia@epa.gov) or Eric Miederhoff by phone at 703 347 8028, or via email at [Miederhoff.eric@epa.gov](mailto:Miederhoff.eric@epa.gov)

Enclosure: Stamped label

# IWC 5300-50 ANIONIC COMPATIBLE MICROBIOCIDES

Twin-Chain Quaternary  
Ammonium Compound Concentrate  
Low Foam Water Treatment Microbiocide  
For Building and Industrial Cooling Water Systems [and] [Decorative Fountains]

## Active Ingredients

Diocetyl dimethyl ammonium chloride..... 50%

Other Ingredients ..... 50%

Total ..... 100%

**KEEP OUT OF REACH OF CHILDREN**

## **DANGER**

{Note to Reviewer. The signal word for this product is "DANGER". The following components of this master label, at a minimum, will appear on the front panel of all distribution labels. If the distribution label has a single panel and multiple columns, these components will appear in the center column or in an immediately adjacent column: Product Brand Name, Ingredient Statement, Signal Word, Child Hazard Warning, First Aid Statement, Company Name and Address, EPA Registration Number, EPA Establishment Number.}

### **FIRST AID**

**IF IN EYES:** Hold eye open and rinse slowly and gently with water for 15 – 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.

**IF ON SKIN OR CLOTHING:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 – 20 minutes.

**IF SWALLOWED:** Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.

**IF INHALED:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferable by mouth-to-mouth if possible. Call a poison control center or doctor for treatment advice.

Call a poison control center or doctor for treatment advice. Have the product container or label with you when calling a Poison Control Center or doctor or going for treatment.

**NOTE TO PHYSICIAN:** Probable mucosal damage may contraindicate the use of gastric lavage. Measures against circulatory shock, respiratory depression and convulsion may be needed.

SEE PANELS FOR ADDITIONAL PRECAUTIONARY STATEMENTS

EPA Registration No. 1258-RURR

EPA Establishment No. 6836-IL-1

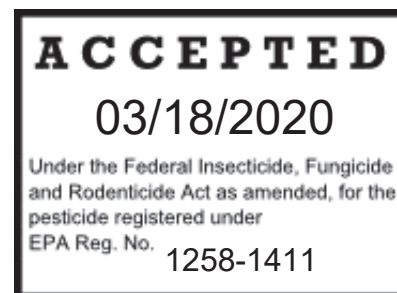
Net Contents: (as indicated on container)

[Country of origin (insert country)]

[Manufactured in (insert country)]

[Barcode]

Manufactured for:  
Arch Chemicals, Inc.  
1200 Bluegrass Lakes Parkway  
Alpharetta, GA 30004



**PRECAUTIONARY STATEMENTS**  
**HAZARDOUS TO HUMANS AND DOMESTIC ANIMALS**

**DANGER! CORROSIVE.** Causes irreversible eye damage and skin burns. Do not get in eyes, on skin or on clothing. Wear protective eyewear (goggles, safety glasses), protective clothing and protective gloves (chemical or rubber). May be fatal if swallowed or inhaled. Do not breathe vapor. Wear a minimum of a NIOSH-approved particulate filtering face piece respirator with any N1, R, or P filter; OR a NIOSH-approved elastomeric particulate respirator with any N1, R, or P filter; OR a NIOSH-approved powered air purifying respirator with a HE filter. Harmful if absorbed through the skin. Wash thoroughly with soap and water after handling and before eating, drinking, or using tobacco. Remove contaminated clothing and wash before reuse.

**ENVIRONMENTAL HAZARDS**

*{For container sizes under 5 gallons, the following Environmental Hazards statements will be used:}*

This pesticide is toxic to fish and aquatic invertebrates.

*{If container size is 5 gallons or greater, the following Environmental Hazards statements will be used:}*

This pesticide is toxic to fish and aquatic invertebrates. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA.

**PHYSICAL HAZARDS**

DO NOT USE, POUR, SPILL OR STORE NEAR HEAT OR OPEN FLAME.

*(Note to reviewer: The following is considered optional marketing language:)*

The presence of foam in [recirculating cooling towers] [building and industrial cooling water systems] [and] [decorative fountains] impairs the [performance] [and] [aesthetics] of the unit. Loss of heat transfer and pressure fluctuations are two of the problems encountered when foam is present in the recirculating water system.

One of the possible causative agents is the microbiocide added to control algae and [algae slimes] [microbial slimes] [bacterial slimes]. IWC 5300-50 ANIONIC COMPATIBLE MICROBIOCIDE, by design, is a low foaming microbiocide. When used as directed, IWC 5300-50 ANIONIC COMPATIBLE MICROBIOCIDE will control algae and [algae slimes] [microbial slimes] [bacterial slimes] found in [recirculating cooling tower waters] [building and industrial cooling water systems] [and] [decorative fountains] and not introduce a foam problem.

IWC 5300-50 ANIONIC COMPATIBLE MICROBIOCIDE helps clean and loosen slime debris from [cooling system] [and] [decorative fountain] surfaces. When used in slug dose, no other microbiocide is required.

IWC 5300-50 ANIONIC COMPATIBLE MICROBIOCIDE is economical to use because it is concentrated. It should be handled with care.

## DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

When used as directed, IWC 5300-50 ANIONIC COMPATIBLE MICROBIOCIDES helps to control algae and [algae slimes] [microbial slimes] [bacterial slimes] in [industrial recirculating cooling water systems] [and] [decorative fountains]. Product addition must be made with a metering pump. Product may be fed continuously or on an intermittent basis depending on the degree of system fouling and retention time.

### [RECIRCULATING COOLING TOWERS] [BUILDING AND INDUSTRIAL COOLING WATER SYSTEMS]

**Initial Dose:** Add 16 oz. per 1,000 gallons of water (62.5 ppm active).

Should the above dosage not give satisfactory results, use 21 fluid ounces per 1,000 gallons of water. Repeat the initial dose every seven days or increase the frequency if needed.

Heavily [contaminated] [fouled] systems must be precleaned.

**Maintenance Dose:** Once control is achieved, add 6 to 9 oz. per 1,000 gallons of water (23 – 35 ppm active) weekly or as needed to maintain control. Cooling water systems that are inherently low in [algae] [microbial] growth may be adequately controlled by the lower range of these dosages. Slug feed every seven days.

The product must be added at a point in the system where it will be uniformly mixed and distributed such as the [sump of the system] [tower sump].

### FOR [ONLY] ALGAECIDAL CONTROL IN [RECIRCULATING COOLING TOWERS] [BUILDING AND INDUSTRIAL COOLING WATER SYSTEMS] AND DECORATIVE FOUNTAINS"

When used as directed, IWC 5300-50 ANIONIC COMPATIBLE MICROBIOCIDES helps to control algae in [industrial recirculating cooling water systems] [building and industrial cooling water systems] [and] [decorative fountains]. Product addition must be made with a metering pump and may be fed continuously or on an intermittent basis depending on the degree of system fouling and retention time. Product must be added at a point in the system where it will be uniformly mixed and distributed throughout the system.

**Initial Dose:** Add 1.3 to 16 oz. per 1,000 gallons of water (5 to 62.5 ppm active). Repeat the initial dose every seven days or increase the frequency if needed. Heavily [contaminated] [fouled] systems must be precleaned.

**Maintenance Dose:** Once control is achieved, add 1.3 to 5.3 oz. per 1,000 gallons of water (5 to 21 ppm active) weekly, or as needed to maintain control.

## DECORATIVE FOUNTAINS

Before draining a treated fountain, contact your local sanitary sewer and storm drain authorities and follow their discharge instructions. Do not discharge treated pool or spa water to any location that flows to a gutter, storm drain or natural water body unless discharge is allowed by state and local authorities.

When used as directed, IWC 5300-50 ANIONIC COMPATIBLE MICROBIOCIDE controls algae and [algal slimes] [microbial slimes] [bacterial slimes] in decorative fountains. For maximum effectiveness, fountains containing heavy algae growth should be cleaned prior to using IWC 5300-50 ANIONIC COMPATIBLE MICROBIOCIDE. The product must be added at a point in the system where it will be uniformly mixed and distributed throughout the fountain.

**Initial Dose:** Fountains having visible algae growth require an initial dose of 16 oz. per 1,000 gallons of water (62.5 ppm active). Should the above dosage not give satisfactory results, use 21 fluid ounces per 1,000 gallons of water (82 ppm active). Repeat the initial dose every seven days or increase the frequency if needed.

**Maintenance Dose:** Once control is achieved, add 6 to 9 oz. per 1,000 gallons of water (23 – 35 ppm active) weekly or as needed to maintain control.

***(Note to reviewer: For Nonrefillable Containers, Containers for institutional/industrial/commercial uses)***

## STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.

### **Pesticide Storage:**

Open dumping is prohibited. Store in original container in areas inaccessible to children.

### **Pesticide Disposal:**

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

### **Container Disposal:**

***(Note to reviewer: This Container Statement will be used only for containers 5 gallons or less:)***

Nonrefillable container. Do not reuse or refill this container. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling or reconditioning. If not available, puncture and dispose in sanitary landfill.

***(Note to reviewer: This Container Statement will be used for containers over 5 gallons:)***

Nonrefillable container. Do not reuse or refill this container. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling or reconditioning. If not available, puncture and dispose in sanitary landfill.

## STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal. Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose.

### **Pesticide Storage:**

Open dumping is prohibited. Store in original container in areas inaccessible to children.

### **Pesticide Disposal:**

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

### **Container Disposal:**

Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before refilling is the responsibility of the refiller. Cleaning the container before final disposal is the responsibility of the person disposing of the container.

**(Plastic or Metal Containers:)** To clean the container before final disposal, empty the remaining contents from this container into application equipment or mix tank. Fill the container about 10 percent full with water. Agitate vigorously, and dispose of rinsate consistent with pesticide disposal instructions. Repeat this rinsing procedure two more times. Then offer for recycling or reconditioning. If not available, puncture and dispose in sanitary landfill. If not triple rinsed, these containers are acute hazardous wastes and must be disposed in accordance with local, state, and federal regulations. (For metal containers only: DO NOT cut or weld metal containers.)